

Claims

1. An electric power tool, having a tool housing (12) in which a guide sleeve (15) is formed for interchangeably receiving a power supply module (11) which has an introduction opening (152) and an electrical interface with the power supply module (11), characterized in that at least one form-locking element for producing a form lock with the power supply module (11) is disposed in the end region, facing away from the introduction opening (152), of the guide sleeve (15).

2. The electric power tool in accordance with claim 1, characterized in that the form-locking element is a rib (21) protruding from the inner wall of the guide sleeve (15).

3. The electric power tool in accordance with claim 2, characterized in that the rib (21) extends from the end, facing away from the introduction opening (152), of the guide sleeve (15) over only a short end portion of the guide sleeve (15).

4. The electric power tool in accordance with claim 2, characterized in that the rib (21) is embodied in one piece with the guide sleeve (15).

5. The electric power tool in accordance with claim 2 or 3, characterized in that the end face of the rib (21) pointing toward the introduction opening (152) of the guide sleeve (15) has rounded edges and corners.

6. The electric power tool in accordance with one of claims 2 through 5, characterized in that the rib (21) has a triangular cross section.

7. The electric power tool in accordance with one of claims 2 through 5, characterized in that the rib (21) has a trapezoidal cross section, with a larger trapezoidal outline resting on the sheath wall.

8. The electric power tool in accordance with one of claims 2 through 7, characterized in that two ribs (21) spaced apart from one another are provided,

which are located mirror-symmetrically to one another, and the plane of symmetry extends through the longitudinal axes of the guide sleeve (15).

5 9. The electric power tool in accordance with claim 8, characterized in that the guide sleeve (15) has a boxlike profile, with a convex profile wall (151), and that the ribs (21) are located in the convex profile wall (151).

10 10. A power supply module for interchangeable attachment to the tool housing (12) of an electric power tool, in particular an electric power tool in accordance with one of claims 1 through 9, having a module housing (13) that receives the battery or an accumulator and an introduction dome (14), for guiding the tool, formed integrally on the module housing and on which there is an electrical interface with the electric power tool, characterized in that at least one form-locking element for producing a form lock with the tool housing (12) is located on
15 the free end of the introduction dome (14).

20 11. The power supply module in accordance with claim 10, characterized in that the form-locking element is a recess (20) located in the side wall of the introduction dome (14).

12. The power supply module in accordance with claim 11, characterized in that the recess (20) extends into the open on the free end of the introduction dome (14).

25 13. The power supply module in accordance with claim 11 or 12, characterized in that the recess (20) has a triangular inside cross section.

30 14. The power supply module in accordance with claim 11 or 12, characterized in that the recess (20) has a trapezoidal inside cross section, with a larger trapezoidal outline pointing away from the introduction dome (14).

15. The power supply module in accordance with one of claims 11 through 14, characterized in that two recesses (20) spaced apart from one another are provided, which are located mirror-symmetrically to one another, and the plane of

symmetry extends through the longitudinal axis of the introduction dome (14).

16. The power supply module in accordance with claim 15, characterized in
that the introduction dome (14) has a boxlike profile, with a convex profile wall
5 (141), and that the two recesses (20) are located in the convex profile wall (141).